

AMENDMENTS TO THE SPECIFICATION

On page 8, please replace the paragraph beginning at line 19 with the following amended paragraph:

The active substances include the active compounds selected from the group consisting of cyclosporine, sermorelin, octreotide acetate, calcitonin-salmon, insulin lispro, sumatriptan succinate, clozapine ~~clozepine~~, cyclobenzaprine, dexfenfluramine hydrochloride, glyburide, zidovudine, erythromycin, ciprofloxacin, ondansetron hydrochloride, dimenhydrinate, cimetidine hydrochloride, famotidine, phenytoin sodium, phenytoin, carboprost tromethamine ~~thromethamine~~, carboprost, diphenhydramine hydrochloride, isoproterenol hydrochloride, terbutaline sulfate, terbutaline, theophylline, albuterol sulfate and neutraceuticals, that is to say nutrients with pharmacological action such as but not limited to carnitine, valerian, echinacea, and the like.

Please replace the text and charts of Example 1 from pages 11-13 with the following:

Biologically active peptides including peptide hormones

A. Cyclosporine lingual spray

	Amounts	preferred amount	most preferred amount
cyclosporine	5-50	10-35	15-25
water	5-20	7.5-50	9.5-12
ethanol	5-60	7.5-50	10-20
polyethylene glycol	20-60	30-45	35-40
flavors	0.1-5	1-4	2-3

B. Cyclosporine Non-Polar lingual spray

	Amounts	preferred amount	most preferred amount
cyclosporine	1-50	3-40	5-30
<u>Miglyol</u> Miglyol	20	25	30-40
Polyoxyethylated castor oil	20	25	30-40
Butane	25-80	30-70	33-50
flavors	0.1-5	1-4	2-3

C. Cyclosporine non-polar bite capsule capsule

	Amounts	preferred amount	most preferred amount
cyclosporine	1-35	5-25	10-20
olive oil	25-60	35-55	30-45
polyoxyethylated oleic glycerides	25-60	35-55	30-45
flavors	0.1-5	1-4	2-3

D. Cyclosporine bite capsule

	Amounts	preferred amount	most preferred amount
cyclosporine	5-50	10-35	15-25
polyethylene glycol	20-60	30-45	35-40
glycerin	5-30	7.5-25	10-20
propylene glycol	5-30	7.5-25	10-20

flavors	0.1-10	1-8	3-6
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E. Sermorelin (as the acetate) lingual spray

	Amounts	preferred amount	most preferred
sermorelin (as the acetate)	.01-5	.1-3	.2-1.0
mannitol	1-25	5-20	10-15
monobasic sodium phosphate,	0.1-5	1-3 1	.5-2.5
dibasic sodium phosphate water	0.01-5	.05-3	0.1-0.5
ethanol	5-30	7.5-25	9.5-15
polyethylene glycol	20-60	30-45	35-40
propylene glycol	5-25	10-20	12-17
flavors	0.1-5	1-4	2-3

F. Octreotide acetate (Sandostatin) lingual spray

	Amounts	preferred amount	most preferred amount
octreotide acetate	0.001-0.5	0.005-0.250	0.01-0.10
acetic acid	1-10	2-8	4-6
sodium acetate	1-10	2-8	4-6
sodium chloride	3-30	.5-25	15-20
flavors	0.1-5	0.5-4	2-3
ethanol	5-30	7.5-20	9.5-15
water	15-95	35-90	65-85
flavors	0.1-5	1-4	2-3

G. Calcitonin-salmon lingual spray

	Amounts	preferred amount	most preferred amount
calcitonin-salmon	0.001-5	0.005-2	01-1.5
ethanol	2-15	3-10	7-9.5
water	30-95	50-90	60-80
polyethylene glycol	2-15	3-10	7-9.5
sodium chloride	2.5-20	5-15	10-12.5
flavors	0.1-5	1-4	2-3

H. Insulin lispro, lingual spray

	Amounts	preferred amount	most preferred amount
insulin	20-60	4-55	5-50
glycerin	0.1-10	0.25-5	0.1-1.5
dibasic sodium phosphate	1-15	2.5-10	4-8
m-cresol,	1-25	5-25	7.5-12.5
zinc oxide	0.01-0.25	.05-0.15	0.075-0.10
m-cresol	0.1-1	0.2-0.8	0.4-0.6
phenol	trace amounts	trace amounts	trace amounts
ethanol	5-20	7.5-15	9-12
water	30-90	40-80	50-75
propylene glycol	5-20	7.5-15	9-12
flavors	0.1-5	0.5-3	0.75-2
adjust pH to 7.0-7.8 with HCl or NaOH			

Please replace the text of Example 2 on pages 14-15 with the following:

CNS active amines and their salts: including but not limited to tricyclic amines, GABA analogues, thiazides, phenothiazine derivatives, serotonin antagonists and serotonin reuptake inhibitors

A. Sumatriptan succinate lingual spray

	Amounts	preferred amount	most preferred amount
sumatriptan succinate	0.5-30	1-20	10-15
ethanol	5-60	7.5-50	10-20
propylene glycol	5-30	7.5-20	10-15
polyethylene glycol	0-60	30-45	35-40
water	5-30	7.5-20	10-15
flavors	0.1-5	1-4	2-3

B. Sumatriptan succinate bite capsule

	Amounts	preferred amount	most preferred amount
sumatriptan succinate	0.01-5	0.05-3.5	0.075-1.75
polyethylene glycol	25-70	30-60	35-50
glycerin	25-70	30-60	35-50
flavors	0.1-10	1-8	3-6

C. Clozapine Clozepine lingual spray

	Amounts	preferred amount	most preferred amount
<u>clozapine</u> clozepine	0.5-30	1-20	10-15
ethanol	5-60	7.5-50	10-20
propylene glycol	5-30	7.5-20	10-15
polyethylene glycol	0-60	30-45	35-40
water	5-30	7.5-20	10-15
flavors	0.1-5	1-4	2-3

D. Clozapine Clozepine non-polar lingual spray with propellant

	Amounts	preferred amount	most preferred amount
<u>clozapine</u> clozepine	0.5-30	1-20	10-15
<u>Miglyol</u> Migylol	20-85	25-70	30-40
Butanol	5-80	30-75	60-70
flavors	0.1-5	1-4	2-3

E. Clozapine Clozepine non-polar lingual spray without propellant

	Amounts	preferred amount	most preferred amount
<u>clozapine</u> clozepine	0.5-30	1-20	10-15
<u>Miglyol</u> Migylol	70-99.5	80-99	85-90
flavors	0.1-5	1-4	2-3

F. Cyclobenzaprine non-polar lingual spray

	Amounts	preferred amount	most preferred amount
cyclobenzaprine (base)	0.5-30	1-20	10-15
Miglyol Miglyol	20-85	25-70	30-40
Iso-butane	15-80	30-75	60-70
flavors	0.1-5	1-4	2-3

G. Dexfenfluramine hydrochloride lingual spray

	Amounts	preferred amount	most preferred amount
dexfenfluramine <u>HCl</u> [[Hcl]]	5-30	7.5-20	10-15
ethanol	5-60	7.5-50	10-20
propylene glycol	5-30	7.5-20	10-15
polyethylene glycol	0-60	30-45	35-40
water	5-30	7.5-20	10-15
flavors	0.1-5	1-4	2-3

Please replace the text of Example 3 on page 16 with the following:

Sulfonylureas

A. Glyburide lingual spray

	Amounts	preferred amount	most preferred amount
glyburide	0.25-25	0.5-20	0.75-15
ethanol	5-60	[[-]]7.5-50	10-20
propylene glycol	5-30	7.5-20	10-15
polyethylene glycol	0-60	30-45	35-40
water	2.5-30	5-20	6-15
flavors	0.1-5	1-4	2-3

B. Glyburide non-polar bite capsule

	Amounts	preferred amount	most preferred amount
glyburide	0.01-10	0.025-7.5	0.1-4
olive oil	30-60	35-55	30-50
polyoxyethylated oleic glycerides	30-60	35-55	30-50
flavors	0.1-5	1-4	2-3

Please replace the text of Example 4 on pages 16-17 with the following:

Antibiotics, anti-fungals and anti-virals

- A. Zidovudine [formerly called azidothymidine (AZT) (Retrovir)] non-polar lingual spray

	Amounts	preferred amount	most preferred amount
zidovudine	10-50	15-40	25-35
Soya oil	20-85	25-70	30-40
Butane	15-80	30-75	60-70
flavors	0.1-5	1-4	2-3

- B. Erythromycin bite capsule~~bite capsule~~

	Amounts	preferred amount	most preferred amount
erythromycin	25-65	30-50	35-45
polyoxyethylene glycol	5-70	30-60	45-55
glycerin	5-20	7.5-15	10-12.5
flavors	1-10	2-8	3-6

C. Ciprofloxacin hydrochloride bite capsule

	Amounts	preferred amount	most preferred amount
ciprofloxacin hydrochloride	25-65	35-55	40-50
glycerin	5-20	7.5-15	10-12.5
polyethylene glycol	[[1]]20-75	30-65	40-60
flavors	1-10	2-8	3-6

D. zidovudine [formerly called azidothymidine (AZT) (Retrovir)] lingual
spray

	Amounts	preferred amount	most preferred amount
zidovudine	10-50	15-40	25-35
water	30-80	40-75	45-70
ethanol	5-20	7.5-15	9.5-12.5
polyethylene glycol	5-20	7.5-15	9.5-12.5
flavors	0.1-5	1-4	2-3

Please replace the text of Example 6 on pages 18-19 with the following:

Histamine H-2 receptor antagonists

A. Cimetidine hydrochloride bite capsule

	Amounts	preferred amount	most preferred amount
cimetidine HCl	10-60	15-55	25-50
glycerin	5-20	7.5-15	10-12.5
polyethylene glycol	20-90	25-85	30-75
flavors	1-10	2-8	3-6

B. Famotidine lingual spray

	Amounts	preferred amount	most preferred amount
famotidine	1-35	5-30	7-20
water	2.5-25	3-20	5-10
L-aspartic acid	0.1-20	1-15	5-10
polyethylene glycol	20-97	30-95	50-85
flavors	0.1-10	1-7.5	2-5

C. Famotidine non-polar lingual spray

	Amounts	preferred amount	most preferred amount
famotidine	1-35	5-30	7-20
Soya oil	10-50	15-40	15-20
<u>Butanol</u> Butanol	5-80	30-75	45-70
polyoxyethylated oleic glycerides	10-50	15-40	15-20
flavors	0.1-5	1-4	2-3

Please replace the text of Example 7 on page 19 with the following:

Barbiturates

A. Phenytoin sodium lingual spray

	Amounts	preferred amount	most preferred amount
phenytoin sodium	10-60	15-55	20-40
water	2.5-25	3-20	5-10
ethanol	5-30	7.5-20	9.5-15
propylene glycol	5-30	7.5-20	9.5-15
polyethylene glycol	5-30	7.5-20	9.5-15
flavors	1-10	3-8	5-7.5

B. Phenytoin non-polar lingual spray

	Amounts	preferred amount	most preferred amount
phenytoin	5-45	10-40	15-35
miglyol <u>miglyol</u>	10-50	15-40	15-20
Butane	15-80	30-75	60-70
polyoxyethylated oleic glycerides	10-50	15-40	15-20
flavors	0.1-10	1-8	5-7.5

Please replace the text of Example 8 on page 20 with the following:

Prostaglandins

A. Carboprost tromethamine~~thromethamine~~ lingual spray

	Amounts	preferred amount	most preferred amount
carboprost <u>tromethamine</u> thromethamine	0.05-5	0.1-3	0.25-2.5
water	50-95	60-80	65-75
ethanol	5-20	7.5-15	9.5-12.5
polyethylene glycol	5-20	7.5-15	9.5-12.5
sodium chloride	1-20	3-15	4-8
flavors	0.1-5	1-4	2-3
pH is adjusted with sodium hydroxide and/or hydrochloric acid			

B. Carboprost non-polar lingual spray

	Amounts	preferred amount	most preferred amount
carboprost	0.05-5	0.1-3	0.25-2.5
miglyol miglyol	25-50	30-45	35-40
Butane	5-60	10-50	20-35
polyoxyethylated oleic glycerides	25-50	30-45	35-40
flavors	0.1-10	1-8	5-7.5

Please replace the text of Example 11 on pages 22--24 with the following:

Anti-Asthmatics-Bronchodilators

A. Isoproterenol Hydrochloride as polar lingual spray

	Amounts	preferred amount	most preferred amount
isoproterenol Hydrochloride	0.1-10	0.2-7.5	0.5-6
water	5-90	10-80	50-75
ethanol	1-80	3-50	5-10
polyethylene glycol	1-80	3-50	5-15
Sorbitol	0.1-5	0.2-4	0.4-1.0
aspartame	0.01-0.5	0.02-0.4	0.04-0.1
flavors	0.1-5	1-4	2-3

B. Terbutaline sulfate as polar lingual spray

	Amounts	preferred amount	most preferred amount
terbutaline sulfate	0.1-10	0.2-7.5	0.5-6
water	5-90	10-80	50-75
ethanol	1-10	2-8	2.5-5
Sorbitol	0.1-5	0.2-4	0.4-1.0
aspartame	0.01-0.5	0.02-0.4	0.04-0.1
flavors	0.1-5	1-4	2-3

C. Terbutaline as non-polar lingual spray

	Amounts	preferred amount	most preferred amount
terbutaline	0.1-10	0.2-7.5	0.5-6
miglyol miglyol	25-50	30-45	35-40
isobutane	5-60	10-50	20-35
polyoxyethylated oleic glycerides	25-50	30-45	35-40
flavors	0.1-10	1-8	5-7.5

D. Theophylline polar bite capsule

	Amounts	preferred amount	most preferred amount
theophylline	5-50	10-40	15-30
polyethylene glycol	20-60	25-50	30-40
glycerin	25-50	35-45	30-40
propylene glycol	25-50	35-45	30-40
flavors	0.1-5	1-4	2-3

E. Albuterol sulfate as polar lingual spray

	Amounts	preferred amount	most preferred amount
albuterol sulfate	0.1-10	0.2-7.5	0.5-6
water	5-90	10-80	50-75
ethanol	1-10	2-8	2.5-5
Sorbitol	0.1-5	0.2-4	0.4-1.0
aspartame	0.01-0.5	0.02-0.4	0.04-0.1
flavors	0.1-5	1-4	2-3

Please replace the text of Example 12 on pages 24-25 with the following:

Polar solvent formulations using a propellant:

A. Sulfonylurea

	Amount	Preferred Amount	Most-Preferred Amount
glyburide	0.1-25%	0.5-15%	0.6-10%
Ethanol	40-99%	60-97%	70-97%
Water	0.01-5%	0.1-4%	0.2-2%
Flavors	0.05-10%	0.1-5%	0.1-2.5%
Propellant	2-10%	3-5%	3-4%

B. Prostaglandin E (vasodilator)

	Amount	Preferred Amount	Most-Preferred Amount
prostaglandin E ₁	0.01-10%	0.1-5%	0.2-3%
Ethanol	10-90%	20-75%	25-50%
Propylene glycol	1-90%	5-80%	10-75%
Water	0.01-5%	0.1-4%	0.2-2%
Flavors	0.05-10%	0.1-5%	0.1-2.5%
Propellant	2-10%	3-5%	3-4%

C. Promethazine (antiemetic, sleep inducer, and CNS active amine)

	Amount	Preferred Amount	Most-Preferred Amount
promethazine	1-25%	3-15%	5-12%
Ethanol	10-90%	20-75%	25-50%
Propylene glycol	1-90%	5-80%	10-75%
Water	0.01-5%	0.1-4%	0.2-2%
Flavors	0.05-10%	0.1-5%	0.1-2.5%
Propellant	2-10%	3-5%	3-4%

D. Meclizine

	Amount	Preferred Amount	Most-Preferred Amount
meclizine	1-25%	3-15%	5-12%
Ethanol	1-15%	2-10%	3-6%
Propylene glycol	20-98%	5-90%	10-85%
Water	0.01-5%	0.1-4%	0.2-2%
Flavors	0.05-10%	0.1-5%	0.1-2.5%
Propellant	2-10%	3-5%	3-4%